

Serial No. Unassigned

TSRI 880.1

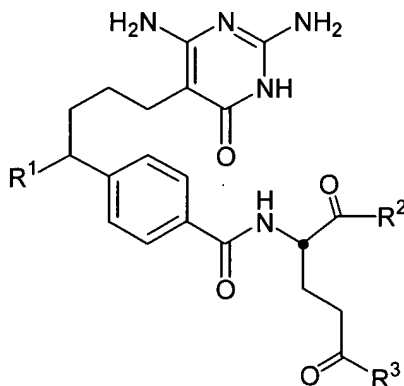
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

What is claimed is:

Claim 1 (original): A compound represented by the following structure:

5



wherein:

- 10 R^1 is a radical selected from the group consisting of $-C(O)H$, $-CH_2OH$, $-CH=NNMe_2$, $-C(O)CF_3$, and $-CH(OH)CF_3$;
- R^2 is a radical selected from the group consisting of $-OH$, $-OtBu$, glutamyl, and oligoglutamyl;
- R^3 is a radical selected from the group consisting of $-OH$, $-OtBu$, glutamyl, and oligoglutamyl;
- 15 each glutamyl being independently represented by the formula:
 $-NHCH(C(O)R^4)(CH_2)_2C(O)R^5$ wherein R^4 and R^5 are each radicals independently selected from the group consisting of $-OH$ and $-OtBu$;
 each oligoglutamyl having at least one terminal glutamyl and between one and four non-terminal glutamyl residues;

each terminal glutamyl being independently represented by the formula

$\text{-NHCH(C(O)R}^4\text{)(CH}_2\text{)}_2\text{C(O)R}^5\text{}$ wherein R^4 and R^5 are each radicals
independently selected from the group consisting of -OH and -OtBu ;

each non-terminal glutamyl being independently represented by the formula

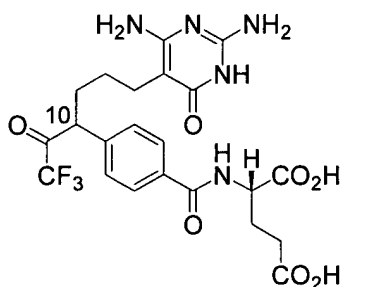
5 $\text{-NHCH(C(O)R}^6\text{)(CH}_2\text{)}_2\text{C(O)R}^7\text{}$ wherein R^6 and R^7 are each radicals
independently selected from the group consisting of -OH , -OtBu , terminal
glutamyl, and non-terminal glutamyl;

with a proviso that at least one of R^6 and R^7 is either terminal glutamyl or non-
terminal glutamyl.

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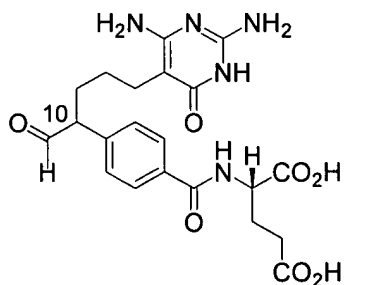
Claim 2 (original): A compound according to claim 1 represented by the following
structure:

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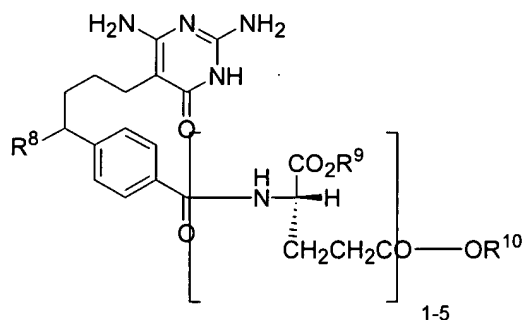
20 Claim 3 (original): A compound according to claim 1 represented by the following
structure:

25



Claim 4 (original): A compound according to claim 1 represented by the following structure:

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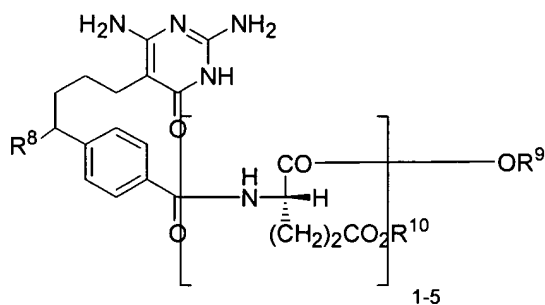
wherein

10 R^8 is a radical selected from the group consisting of $-C(O)H$ and $-C(O)CF_3$; and

R^9 and R^{10} are each a radical independently selected from the group consisting of $-H$ and $-tBu$.

15 Claim 5 (original): A compound according to claim 1 represented by the following structure:

20



wherein

25 R^8 is a radical selected from the group consisting of $-C(O)H$ and $-C(O)CF_3$; and

R⁹ and R¹⁰ are each a radical independently selected from the group consisting of -H and -*t*Bu.

Claim 6 (original): A process for inhibiting glycinamide ribonucleotide transformylase
5 comprising the step of contacting the glycinamide ribonucleotide transformylase with an inhibiting concentration of a compound described in claims 1-5.

Claim 7 (original): A process for inhibiting aminoimidazole carboxamide ribonucleotide
transformylase comprising the step of contacting the aminoimidazole carboxamide
10 ribonucleotide transformylase with an inhibiting concentration of a compound described in claims 1-5.

Claim 8 (new): A complex comprising glycinamide ribonucleotide transformylase and a
compound of claims 1-5 wherein the compound of claims 1-5 is non-covalently
15 complexed with the glycinamide ribonucleotide transformylase.